

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-171  
Relating to Certification of New Motor Vehicles

CHRYSLER MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Chrysler Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JCR3.0T5FBRO	3.0 (181)	Three-Way Catalyst Heated Oxygen Sensor Exhaust Gas Recirculation (Electronic Fuel Injection) (On-Board Diagnostics)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Loaded Vehicle Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3750	0.39	9.0	1.0
3751-5750	0.50	9.0	1.0

The following are the certification emission values for this engine family:

<u>Loaded Vehicle Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3750	0.21	1.0	0.6
3751-5750	0.19	0.7	0.7

BE IT FURTHER RESOLVED: That the listed models in the 0-3750 loaded vehicle weight class were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and, for the listed vehicles in the 0-3750 loaded vehicle weight class, with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 21 day of May, 1987.

  
K. D. Drachand, Chief  
Mobile Source Division

## 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR3.0T5FBRO  
Evaporative Family JCRTC Engine Type V-6 SOHC  
Liters (CID) 3.0 (181)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
ECU-Electronic Control Unit  
EI-Electronic Ignition  
ESAC-Electronic Spark Advance  
Control  
VA-Vacuum Advance  
VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor

Exhaust Emissions Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
DBC-Dual Bed Catalyst  
EGR-Exhaust Gas Recirculation  
EIC-Electronic Injection Control  
EM-Engine Modification  
OC-Oxidation Catalyst  
OS-Oxygen Sensor  
HOS-Heated Oxygen Sensor  
SPL-Smoke Puff Limiter or  
Throttle Delay  
TOC-Trap Oxidizer, Continual  
TOP-Trap Oxidizer, Periodical  
TWC-Three-Way Catalyst  
WUOC-Warm-Up Oxidation Catalyst  
WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion  
Chamber Valve  
CFI-Central Fuel  
Injection or  
Throttle Body  
Injection  
DID-Diesel  
Injection-Direct  
DIP-Diesel  
Injection-Prechamber  
EFI-Electronic  
Fuel  
Injection  
IC-Intercooler  
or Aftercooler  
MFI-Mechanical  
Fuel  
Injection  
OBD-On-Board  
Diagnostics  
TC-Turbocharger

VEHICLE MODELS:

SYP53

SKE12,SKE13  
SKH52,SKH53,  
SKP52,SKP53

SHH52,SHH53,  
SHP52,SHP53

CARLINE:

CHRYSLER TOWN &amp; COUNTRY

DODGE RAM VAN  
DODGE CARAVAN

PLYMOUTH VOYAGER

Engine: Front X Mid.        Rear         
Drive: FWD X RWD        4WD Full Time        4WD Part Time

Passenger Cars \_\_\_\_\_ Light-Duty Trucks XX Medium-Duty Vehicles \_\_\_\_\_ Gas XX Diesel \_\_\_\_\_
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 Manufacturer CHRYSLER MOTORS CORPORATION Engine Family JCR3.0T5FBRO

 Liter (CID) 3.0 (181) Eng. Type V/6 SOHC

 Emission Control Sys. (Special Features) TWC, ,EGR,HOS,(EFL),(cap)

Engine Code	Vehicle Models (If Coded see attachment) See attachment for (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Throttle Body Part No.	EGR Valve Part No.	Catal. Part No.
A-1	SKE12	A3	3375	5233032	4307278	4287815	420193
	SKE13		3625				
	SHH52,SKH52, SHP52,SKP52		3750+				
	SHH53,SKH53, SHP53,SKP53		3875+				
	SYP53		4000+				
A-2				5233862*			
A-3				5234040**			

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue 5-21-87

Revisions: \*06-03-87: R.C. 11T, Revise OBD Portion of the ECU.

\*\*06-22-87: R.C. 37T, Delete Deceleration Fuel Shutoff Feature from the ECU.

+02-11-88: R.C. 76T - Production weight update.